ECS Configuration Change Request

1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Rm #:	7. Dept.
Kenneth Cockerill	3/29/02	02-0262	—	301-883-4177	3204D	DEV/CO

8. CCR Title: PATCH_6A.05_MSS_01C For all DAACs Provides fixes for Seamless User Registration - Contains fixes for 8 SEV 2 NCRs, 5 SEV 3 NCRs and 1 SEV 5 NCR.

9. Originator Signature/Date	10. Class	11. Type:	12. Need Date:
Kenneth Cockerill /s/ 3/29/02	II	CCR	

13. Office Manager Signature/Date	14. Category of Change:	15. Priority: (If "Emergency" fill in Block 27).
Arthur Cohen /s/ 3/29/02	Initial ECS Baseline Doc.	Emergency

16. Documentation/Drawings Impacted:	17. Schedule Impact:	18. CI(s) Affected: MSS/JDT

19. Release Affected by this Change:	20. Date due to Customer:	21. Estimated Cost:
6A		None - Under 100K

22. Source Reference: ☒ NCR (attach)   ☐ Action Item   ☐ Tech Ref.   ☐ GSFC   ☐ Other:
32317, 32314, 32319, 32527, 32985, 32315, 32843, 31665, 30421, 33550, 31046, 16757, 33638, 33603

23. Problem: (use additional Sheets if necessary)
See Page 2 for Problem List for NCRs.

24. Proposed Solution: (use additional sheets if necessary)
PATCH_6A.05_MSS.01C is needed to support Seamless User Registration . Patch 6A.05_MSS.01C can be installed on top of 6A.05 initial delivery.

25. Alternate Solution: (use additional sheets if necessary)
Wait until next full system delivery.

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
DAAC will continue to experience problems.

27. Justification for Emergency (If Block 15 is "Emergency"):
Fixes needed to perform 6A.05 operational testing

28. Site(s) Affected: ☐ EDF ☒ PVC ☒ VATC ☒ EDC   ☒ GSFC ☒ LaRC ☒ NSIDC ☐ SMC ☐ AK ☐ JPL
☐ EOC   ☐ IDG Test Cell   ☐ Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
33. M&O CCB Chair (Sign/Date): **Debra Stepp /s/ 3/29/02**	Disposition: **Approved** App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
34. ECS CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

ADDITIONAL SHEET

CCR #:   02-0262 Rev: — Originator: Cherry Kenney

Telephone: 301-883-4177   **Office:** 3204D

Title of Change: PATCH_6A.05_MSS_01C For all DAACs Provides fixes for Seamless User Registration - Contains fixes for 8 SEV 2 NCRs, 5 SEV 3 NCRs and 1 SEV 5 NCR.

 ACTIONS:

Please make a SUN tar file for the following packages and script   from the
  6A05 baseline:

The footrprint is the following packages:

.EcClINTFCSVR.pkg
.EcClJdt.pkg
.EcMsAcDAACAPPSSRVR.pkg
.EcMsAcSMCAPPSSRVR.pkg
.EcMsDbRep.pkg
.EcMsDbSupport.pkg

 Please name tarfile Patch_6A.05_MSS_01C

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****
*********** * NOTE: THIS PATCH MUST BE COORDINATED WITH THE SMC PRIOR TO INSTALLATION!!!! ALSO, THIS PATCH HAS NO * DEPENDENCIES ON ANY OTHER PATCH.
****
****
****
****

NOTE: There are 2 sets of installation instructions included – one is for the DAACs themselves and the other is for the SMC. The SMC must perform the installation of this patch prior to the DAACs.

DAAC Install Instructions:

1. Get TAR Files from CM distribution.

2.   UNTAR the files and copy to the staging area using the Setup.ksh file. Be sure to select "N " when prompted for "Update ECS Assist Common Files".

3. Grant permissions on the database information for MSS:

chmod -R 755 <staging_area>/SUN/CUSTOM/dbms/MSS

4. Make sure the replication system is quiesced by executing the following command. Note: You will need to substitute the placeholder in the bracket with the correct Replication Server value.

Log into your {Replication Server}

admin quiesce_check
go

Note: The replication system must be quiesced at the SMC and DAAC sites before proceeding.

5. Execute the following to drop the subscription to the SMC replication definition for user profile replication. Note: You will need to substitute the placeholders in the brackets with the correct Replication Server, Adaptive Server, Database Name, DAAC Name and RV_ID value.

Log into your {Replication Server}

drop subscription MsAcUsrProfile_sub_SMC_{DAAC Name}_{RV_ID}
for MsAcUsrProfile_repdef_SMC_{RV_ID}
with replicate at {Adaptive Server}.{Database Name}
without purge
go

Note: The "without purge" clause will retain existing user profiles replicated to your database. Only the subscription will be dropped.   The "without purge" clause should also be selected if dropping the subscription using Sybase Central.

6.   On a SUN host, use E.A.S.I. to perform automated installation the following packages:

.EcClINTFCSVR.pkg
.EcMsAcDAACAPPSSRVR.pkg
.EcMsDbSupport.pkg

Note: The .EcClJdt.pkg and .EcMsDbRep.pkg don't require installation from E.A.S.I. even though they were included as part of the tar file. Individual items will be pulled from these packages in later steps 5 & 6 below.

7. On the MSS host machine, patch the MSS database:
        Identify the current version of the MSS database. Run DbPatch from
the ECS Assist Subsystem Manager (select DBPatch from the Database menu after having selected the mode, subsystem (MSS), and component (EcMsDb) in the GUI). When the Configurable Database Parameters window is displayed , verify that the proper site id and patch(6A) are entered in the appropriate box. Click "OK". Verify that there are no errors in the dbpatch log found in /usr/ecs/<MODE>/CUSTOM/logs/EcMsDbDbPatch.log. Note that the database will be patched up to 6A_G and the following database patches will be applied:

Patch   Description

Patch6A_D   NCR ECSed32317 - Unable to change password. Different field lengths.
Patch6A_E   NCR ECSed32317 - Unable to change password. Different field lengths.
Patch6A_F   NCR ECSed32843 - Update HomeDaac for DLR and ISA
Patch6A_G   NCR ECSed33550 - Index on homeDAAC and GTWYUsrType

8. Instead of installing the entire .EcMsDbRep.pkg, copy the replication software as follows on the MSS box:

   cp <staging_area>/MSS/ddm_mss_support/replication/GDS_ORDER/EcRsMsRepDefMsAcUsrProfile.rcl
/usr/ecs/<MODE>/CUSTOM/dbms/MSS/ddm_mss_support/replication/GDS_ORDER/

9. FOR EDC DAAC Only
Instead of installing the entire .EcClJdt.pkg file, copy the following software directly into the mode as follows on the JDT platform:

cp <staging_area>/SUN/CUSTOM/JDT/htdocs/EcClWbJdt.jar to /use/ecs/<MODE>/CUSTOM/JDT/htdocs/

10.   On the xxinsxx machine, update the CLS configuration parameters. The following procedure updates the value "DAYS_UNTIL_EXPIRATION" in the EcClUserProfileGateway configuration from 6 months to 10 years:

Update the registry by running the registry patch for CLS. To apply the changes, follow the steps for installing registry patches described in the 6A.05 installation instructions. The registry patch file to be applied can be found in the /usr/ecs/<MODE>/CUSTOM/.installed/CLS directory on the xxinsxx machine.

11. Reestablish Subscriptions
At the DAACs, execute the following command to create the user profile subscription. Note: You will need to substitute the placeholders in the brackets with the correct Replication Server, DAAC Name, RV_ID, Adaptive Server and Database Name value.

Log into your {Replication Server}

create subscription MsAcUsrProfile_sub_SMC_{DAAC Name}_{RV_ID}
for MsAcUsrProfile_repdef_SMC_{RV_ID}
with replicate at {Adaptive Server}.{Database Name}
without materialization
go

Note: The "without materialization" clause activates the subscription without first initializing the subscription data.

12. Restart the EcClUserProfileGateway and MSS servers. Make sure the servers are up and running. Check the output logs for any errors.

SMC Install Instructions:

1.   Get TAR Files from CM distribution.

2.   UNTAR the files and copy to the staging area using the Setup.ksh file. Be sure to select "N " when prompted for "Update ECS Assist Common Files.

3. Grant permissions on the database information for MSS:

chmod -R 755 <staging_area>/SUN/CUSTOM/dbms/MSS

4. Make sure the replication system is quiesced by executing the following command. Note: You will need to substitute the placeholder in the bracket with the correct Replication Server value.

Log into your {Replication Server}

admin quiesce_check
go

Note: The replication system must be quiesced at the SMC and DAAC sites before proceeding.

5. Drop old User Profile replication definition using Sybase Central or the following command:

At the SMC, execute the following to drop the old replication definition for the user profile replication. Note: You will need to substitute the placeholders in the brackets with the correct Replication Server and RV_ID value.

Log into your {Replication Server}

drop replication definition MsAcUsrProfile_repdef_SMC_{RV_ID}
go

Note: This will also remove all function strings associated with the replication definition.

6.   On a SUN host, use E.A.S.I. to perform automated installation the following packages:

.EcClINTFCSVR.pkg
.EcMsAcSMCAPPSSRVR.pkg
.EcMsDbSupport.pkg

Note: The .EcMsDbRep.pkg doesn't require installation from E.A.S.I. even though it was included as part of the tar file. Individual items will be pulled from this package in step 5 below.

7. On the MSS host machine, patch the MSS database:
        Identify the current version of the MSS database. Run DbPatch from
the ECS Assist Subsystem Manager (select DBPatch from the Database menu after having selected the mode, subsystem (MSS), and component (EcMsDb) in the GUI). When the Configurable Database Parameters window is displayed , verify that

the proper site id and patch(6A) are entered in the appropriate box. Click "OK". Verify that there are no errors in the dbpatch log found in /usr/ecs/<MODE>/CUSTOM/logs/EcMsDbDbPatch.log. Note that the database will be patched up to 6A_G and the following database patches will be applied:

Patch   Description

Patch6A_D   NCR ECSed32317 - Unable to change password. Different field lengths.
Patch6A_E   NCR ECSed32317 - Unable to change password. Different field lengths.
Patch6A_F   NCR ECSed32843 - Update HomeDaac for DLR and ISA
Patch6A_G   NCR ECSed33550 - Index on homeDAAC and GTWYUsrType

8. Instead of installing the entire .EcMsDbRep.pkg, copy the replication software as follows on the MSS box:

   cp <staging_area>/MSS/ddm_mss_support/replication/GDS_ORDER/EcRsMsRepDefMsAcUsrProfile.rcl
/usr/ecs/<MODE>/CUSTOM/dbms/MSS/ddm_mss_support/replication/GDS_ORDER/

9. Add new User Profile replication definition delivered in Patch_6A.05_MSS_01C.
   At the SMC, edit the EcRsSMC.cfg file in the directory
/usr/ecs/{MODE}/CUSTOM/dbms/MSS/ddm_mss_support/replication/GDS_ORDER.
   At the SMC, the script EcRsMsRepDefMsAcUsrProfile.rcl should be executed. Wait for the replication server to quiesce before continuing with the next step.
   At the SMC, run the script MsAcUsrProfileFunctionString.rcl. Wait for the replication server to quiesce before continuing with the next step.
   At the SMC, execute the following command to ensure replication is enabled for Adaptive Server table MsAcUsrProfile.

Log into your {Adaptive Server}

use mss_acct_db_<MODE>
go
sp_setreptable MsAcUsrProfile, 'true'
go

10.   On the xxinsxx machine, update the CLS configuration parameters. The following procedure updates the value "DAYS_UNTIL_EXPIRATION" in the EcClUserProfileGateway configuration from 6 months to 10 years:

Update the registry by running the registry patch for CLS. To apply the changes, follow the steps for installing registry patches described in the 6A.05 installation instructions. The registry patch file to be applied can be found in the /usr/ecs/<MODE>/CUSTOM/.installed/CLS directory on the xxinsxx machine.

11. Perform Sybase Replication installation and configuration. Please see the REP installation and configuration attachment for further details.

12. Restart the EcClUserProfileGateway and MSS servers. Make sure the servers are up and running. Check the output logs for any errors.

************************END OF INSTALL INSTRUCTIONS***

NCRs included:

Problem List of NCRs
ECSed32317   6A.04: TS1: Unable to change password. Different field lengths
ECSed32314   SUR MSS GUI Drops Fields
ECSed32319   SUR Dont Send Account Creation Email
ECSed32527   Profiles don't expire in MSS
ECSed32985   Update JDT login to accept 14 character username
ECSed32315   SUR MSS GUI Tabs Should be renamed
ECSed32843   SUR: HOME DAAC for NON-ECS EDG Sites
ECSed31665   MSS User Profile GUIs do not accept proper values for Site
ECSed30421   Customer Order Submittal Problem - No or Slow Response
ECSed33550   SUR:Add GTWYUsrType Filter to SMC GUI
ECSed31046   OPS:5B.07:SA:e0mss21:EcMsAcOrderGUI memory leak when updating requests

ECSed16757   Unable to resize the Order Tracking GUI.
ECSed33638   Data retrieval from EcMsAcSMCRegUserGUI takes 20+ minutes
ECSed33603   ECS NEW PASSWORD

PATCH/TEST EXECUTABLE TEST REPORT		
ECS System Integration and Test		
Patch/Test Executable Name/ID: Patch_6A05_MSS.0C	**Patch Delivery Date:** 22 Mar 2002 **Patch Installation Date:** 24 March 2002 **Install Location/Mode:** PVC p0mss21/TS2 + SMC(Test) t0mss01/ TS2	**Lead Engineer:** Doug McCartney
NCR ID/Name (Attach if list): 1. ECSed33063 ECS NEW PASSWORD – moved to V-State on 3/26/02		

Actual Tests/Results (List by NCR)		
ECSed33063: ECS NEW PASSWORD	Inspected patch 6A05_MSS01c installation dates-23 Mar 02	Test conducted in PVC using workstation p0dmp03 with Netscape/EDG and a Xterm p0cvx25 for display of SMC Account Management GUI f t0mss01 and logs.
1. Create new user with username Test1111	1. EDG GUI verified new account created for user Test1111	
2. Change password from the EDG GUI	2. EDG GUI verified new password for user Test1111; no Email	Note there was no Email sen user entered new password.
3. Login with new password to EDG.	3. EDG GUI accepted the username Test1111 and new password; displayed EDG Search screen with username displayed.	
4. Search for and order ASTER L1B data using the EDG tool	4. Search and Order as registered user successful; order number returned.	
5. Check MSS Order GUI for Order number.	5. Order number displayed; used with user's profile data	
6. Submit Forgot Password request from EDG GUI	6. Two Emails sent to user Test 1111 providing new password	First Email from ECS DAAC notified user new password v be sent; second email from E contained new auto generate password
7. Login using new password from EDG	7. EDG Login successful; Search screen displayed with username	

8. Change auto generated password to user specified password from EDG GUI	8. EDG message: Password change successful
9. Login with new password from the EDG	9. EDG Login successful; Search screen displayed with username
Regression Testing using newly created username and password from EDG: 1. Attempt to Create Account with ECS existing username from EDG 2. From ECS Account GUI, change profile items in a user account 3. Add Account DAR Privileges from ECS Account GUI 4. Delete DAR Privileges from ECS Account GUI 5. Retrieve all NULL users from ECS Account GUI 6. Retrieve accounts by last name from ECS Account GUI 7. Retrieve accounts by username from ECS Account GUI 8. Retrieve usernames from a site from ECS Account GUI	Check EDG/MSS GUI displays /inspect user Email: 1. No account created; duplicate user error message 2. Fields in profile displayed as changed; Email message received by user stating fields that were changed. 3. Fields in profile displayed with privileges as changed; Email message received by user stating fields that were changed. 4. No privileges shown on ECS Account GUI; Email message received by user stating fields that were changed. 5. Name and profile information displayed for specified NULL category. 6. Name and profile information displayed for specified last name. 7. Name and profile information displayed for specified username. 8. List of accounts by site displayed on GUI
List of Attachments (Messages/status/snaps):	

Signature of Lead Tester:	Date Com
Douglas K. McCartney _____	27 Marc

PATCH/TEST EXECUTABLE TEST REPORT		
ECS System Integration and Test		
Patch/Test Executable Name/ID: Patch_6A05_MSS.0C	**Patch Delivery Date:** 22 Mar 2002 **Patch Installation Date:** 24 March 2002 **Install Location/Mode:** PVC p0mss21/TS2 + SMC(Test) t0mss01/ TS2	**Lead Engineer:** Doug McCartney
NCR ID/Name (Attach if list): 2. ECSed33063 ECS NEW PASSWORD – moved to V-State on 3/26/02		
Actual Tests/Results (List by NCR)		
ECSed33063: ECS NEW PASSWORD	Inspected patch 6A05_MSS01c installation dates-23 Mar 02	Test conducted in PVC using workstation p0dmp03 with Netscape/EDG and a Xterm p0cvx25 for display of SMC Account Management GUI f t0mss01 and logs.
10. Create new user with username Test1111	10. EDG GUI verified new account created for user Test1111	
11. Change password from the EDG GUI	11. EDG GUI verified new password for user Test1111; no Email	Note there was no Email sen user entered new password.
12. Login with new password to EDG.	12. EDG GUI accepted the username Test1111 and new password; displayed EDG Search screen with username displayed.	
13. Search for and order ASTER L1B data using the EDG tool	13. Search and Order as registered user successful; order number returned.	
14. Check MSS Order GUI for Order number.	14. Order number displayed; used with user's profile data	
15. Submit Forgot Password request from EDG GUI	15. Two Emails sent to user Test 1111 providing new password	First Email from ECS DAAC notified user new password v be sent; second email from E contained new auto generate password
16. Login using new password from EDG	16. EDG Login successful; Search screen displayed with username	

17. Change auto generated password to user specified password from EDG GUI	17. EDG message: Password change successful
18. Login with new password from the EDG	18. EDG Login successful; Search screen displayed with username
Regression Testing using newly created username and password from EDG: 9. Attempt to Create Account with ECS existing username from EDG	Check EDG/MSS GUI displays /inspect user Email: 9. No account created; duplicate user error message
10. From ECS Account GUI, change profile items in a user account	10. Fields in profile displayed as changed; Email message received by user stating fields that were changed.
11. Add Account DAR Privileges from ECS Account GUI	11. Fields in profile displayed with privileges as changed; Email message received by user stating fields that were changed.
12. Delete DAR Privileges from ECS Account GUI	12. No privileges shown on ECS Account GUI; Email message received by user stating fields that were changed.
13. Retrieve all NULL users from ECS Account GUI	13. Name and profile information displayed for specified NULL category.
14. Retrieve accounts by last name from ECS Account GUI	14. Name and profile information displayed for specified last name.
15. Retrieve accounts by username from ECS Account GUI	15. Name and profile information displayed for specified username.
16. Retrieve usernames from a site from ECS Account GUI	16. List of accounts by site displayed on GUI

List of Attachments (Messages/status/snaps):

Signature of Lead Tester:	Date Com
Douglas K. McCartney _____	27 Marc